



COPY OF PAPERS  
ORIGINALLY FILED

PATENT  
Docket No.: 45751USA6C.012

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re Application of:

JOSEPH P. KRONZER ET AL.

Serial No.: 08/661,834

Filed: June 11, 1996

For: FIBROUS FILTRATION FACE MASK

**Board Of Patent Appeals And  
Interferences**

Administrative Patent Judges Irwin  
Charles Cohen, Neil E. Abrams, and  
Jeffrey V. Nase

**DECLARATION OF JOSEPH P. KRONZER**

Assistant Commissioner for Patents  
Board Of Patent Appeals And Interferences  
Washington, D.C. 20231

Honorable Sirs:

1. I, Joseph P. Kronzer, was employed by the 3M Corporation when I coined the captioned application. I continue to be employed by 3M Corporation. I have personally conducted or am knowledgeable about the research described in this Declaration and the attachment to this Declaration. I understand that the captioned application is a divisional application that is based on an earlier filed application and that the Examples section is the same as the Examples section in U.S. Patent No. 5,307,796.

2. Attached to this Declaration is a copy of the portion of the laboratory notebook that is relevant to Example 26 of the captioned application. The laboratory notebook has been

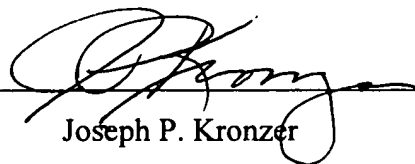
OFFICE OF PATENT  
APPEALS &  
INTERFERENCES  
JUL 24 2002

copied without any alteration except that the dates have been blanked out. No additions have been made to this section of the notebook since before the filing date of the original application (December 20, 1990). To the best of my knowledge, this attachment is the true, accurate and complete record of "raw data" that formed the basis of the average fuzz value of Example 26 in Table 1 of the captioned application.

3. As can be seen from the attached copy from the laboratory notebook, for the mask made from 100% MELTY Type 4080 bicomponent fibers (Example 26 of the patent application). See Laboratory Notebook page 28, Lot 318A. The testing results from Lot 318A are shown on Laboratory notebook page 29. Two researchers (Harvey Berg and myself) each evaluated three masks. A total of six measurements were obtained. Each researcher obtained values of 8, 8 and 8. In other words, all six measurements obtained a fuzz value of exactly 8. For Lot 318A, which is Example 26 of the patent application, no fuzz value exceeded 8. The average of the six measurements is 8.0, as reported in Table 1 of the captioned patent application.

4. I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code.

Signature



Joseph P. Kronzer

Date

5/10/02

PROJECT NO. 270027112 SUBJECT: *Resinless 8500*

DATE:

Objective:

*Expt. #2 - Reduce fuzz on the inside of the 8500 facemask made in Aberdeen.*

Reference:

*The previous designed expt. in Aberdeen (p. 12-27 this R) has shown that fuzz can be reduced on the inside of the mask by increasing the Melty content on the inner web & maintaining a high press temperature.**The press thermocouples at Aberdeen were re-calibrated to ensure proper temperature readings.**The experiment shown below has % Melty content on the inner web and Press Temperature (monitored by the Center Air Temp, CA) as variables.**Bottom Web**Press Temp.*

<i>Lot</i>	<i>Run Order</i>	<i>Melty</i>	<i>Binder</i>	<i>Center Air (°F)</i>
3/1	1	70	30	215
3/2	2	100	0	215
3/3	3	70	30	225
3/4	—	85	15	225
3/5	4	100	0	225
3/6	6	70	30	235
3/7	7	85	15	235
3/8	5	100	0	235
3/6A	10	70	30	245
3/7A	8	85	15	245
3/8A	9	100	0	245
3/6B	11	70	30	265

*3/4 was not run — unnecessary**Est Andigale*

Constants:

*Bas. s. Wt = 120 #/ream**B.W. Ratio, Top: Bottom = 2:1**RM: Melty, 4 dpt x 2", Type 4080**Binder, Eastman Type 444, 3.5 dpt x 1 1/4"**Top Web = 75% Binder 125% Melty.**Line Speed = 42 fpm.*

FULL NAME or INITIALS

DATE: \_\_\_\_\_

WITNESS'S FULL NAME or INITIALS

DATE: \_\_\_\_\_

1 PROJECT NO. 2700271112 SUBJECT: Resinless 8500

DATE:

Objective:

Cont'd from p. 28

5 Reference:

Shells were tested for fuzz as described on p. 13-14 of this Notebook. One shell from mold positions 2, 6 and 10 were tested from each lot by both Harvey Berg and myself

Lot	Joe			Harvey			Average	S	CV	QU	Shift
	E	C	W	E	C	W					
311	1	1	1	1	1	1	1.0	P	2	3.41	F
312	2	2	2	2	2	2	2.0		8	2.06	F
313	3	4	3	4	4	3	3.2		-		F*
315	5	4	4	4	4	3	4.0		3	2.53	F
314	4	5	4	4	4	4	4.2		4	2.17	P
317	5	6	6	5	5	5	5.3		1	2.85	P
318	5	5	5	5	5	5	5.0		4	3.23	P
316A	5	5	6	5	4	5	5.3		4	3.35	C
317A	6	6	5	4	7	6	6.0		3	2.57	P
318A	8	8	8	8	8	8	8.0		6	2.57	P
316B	7	7	7	7	8	7	7.2		2	2.35	P

Mold  
Position

2 = W

6 = C

10 = E

\* CV and QU data was not recorded for LOT 313

E

↑ Mach.  
Direct.

W

(11) (9) (7) (5) (3) (1)  
(10) (8) (6) (4) (2)

In some of the following tables:

316A = 3162

317A = 3172

318A = 3182

316B = 3163

Best Available Copy

FULL NAME or INITIALS

JPK  
OEN

DATE: \_\_\_\_\_

DATE: